

L1 1 S US 20070066563/PN

FILE 'REGISTRY' ENTERED AT 18:23:40 ON 21 JUL 2009

L2 1 S 9012-72-0/RN
SET NOTICE 1 DISPLAY
SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 18:23:54 ON 21 JUL 2009

L3 1 S 9051-97-2/RN

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN
RN 9051-97-2 REGISTRY
CN β -D-Glucan, (1 \rightarrow 3)- (CA INDEX NAME)
OTHER NAMES:
CN (1,3)- β -Glucan
CN (1 \rightarrow 3)- β -D-Glucan
CN β -1,3-Glucan
CN Adjuvax
CN Corapulan
CN Drieline
CN GL 32
CN Glucan F
CN Guardoran
CN Highcareen GS
CN ImmuStim
CN Phellin
CN Poly(1 \rightarrow 3)- β -D-glucan
CN Polysaccharide 13140
CN PS 3
CN PS 3 (polysaccharide)
CN Sparan
CN SSG
CN TAK
CN TAK (polysaccharide)
CN TAK-N
CN Uniglucan 51
CN VitaStim
DR 9050-90-2, 9052-00-0, 130809-04-0, 31667-87-5, 199665-06-0
MF Unspecified

SET NOTICE 1 DISPLAY
SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 18:24:10 ON 21 JUL 2009

L4 1 S 65-85-0/RN
SET NOTICE 1 DISPLAY
SET NOTICE LOGIN DISPLAY

FILE 'CAPLUS' ENTERED AT 18:24:41 ON 21 JUL 2009

L5 218 S L3/PREP
L6 160 S L5 AND (PY<2004 OR AY<2004 OR PRY<2004)
L7 5 S L5 AND PLEUROTUS
L8 5 S L7 AND (PY<2004 OR AY<2004 OR PRY<2004)

L8 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN
TI *Pleurotus cornucopiae* fruit body compositions, their enzymic

manufacture, and their use as immunostimulants, antitumor agents, and

foods
ACCESSION NUMBER: 2005:231705 CAPLUS Full-text
DOCUMENT NUMBER: 142:291353
TITLE: *Pleurotus cornucopiae* fruit body compositions, their enzymic manufacture, and their use

as immunostimulants, antitumor agents, and foods
INVENTOR(S): Nagase, Yayoi; Tokunaga, Katsuhiko; Ogawa, Takahiro;

Sakamoto, Takashi; Mishima, Satoshi
PATENT ASSIGNEE(S): Api Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----

JP 2005068114	A	20050317	JP 2003-303588	
20030827 <--				
PRIORITY APPLN. INFO.:			JP 2003-303588	
20030827 <--				
IC ICM A61K035-84				
ICS A23L001-30; A61K031-716; A61P035-00; A61P037-04; C12P019-04; C12P019-14				

L8 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN
TI Molecular mass and chain conformation of carboxymethylated derivatives of

β -glucan from sclerotia of *Pleurotus tuber-regium*
ACCESSION NUMBER: 2003:129879 CAPLUS Full-text
DOCUMENT NUMBER: 139:312071
TITLE: Molecular mass and chain conformation of carboxymethylated derivatives of β -glucan from sclerotia of *Pleurotus tuber-regium*

AUTHOR(S): Zhang, Mei; Zhang, Lina; Cheung, Peter Chi
Keung

CORPORATE SOURCE: Department of Chemistry, Wuhan University, Wuhan,

430072, Peop. Rep. China
SOURCE: Biopolymers (2003), 68(2), 150-159
CODEN: BIPMAA; ISSN: 0006-3525

PUBLISHER: John Wiley & Sons, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English

CC 63-4 (Pharmaceuticals)
IT Antitumor agents
Carboxymethylation
Conformation
Pleurotus tuber-regium

Sclerotia

L8 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN
TI Characterization of two glucans activating an alternative complement pathway from the fruiting bodies of mushroom *Pleurotus ostreatus*

ACCESSION NUMBER: 2000:404519 CAPLUS [Full-text](#)
DOCUMENT NUMBER: 133:293301
TITLE: Characterization of two glucans activating an alternative complement pathway from the fruiting bodies of mushroom *Pleurotus ostreatus*

AUTHOR(S): Kweon, Mee-Hyang; Lim, Wang-Jin; Yang, Han-Chul; Sung, Ha-Chin
CORPORATE SOURCE: Institute of Biotechnology, Graduate School of Biotechnology, Korea University, Seoul, 136-701, S. Korea
SOURCE: Journal of Microbiology and Biotechnology (2000), 10(2), 267-271
CODEN: JOMBES; ISSN: 1017-7825
PUBLISHER: Korean Society for Applied Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
CC 10-1 (Microbial, Algal, and Fungal Biochemistry)
Section cross-reference(s): 1, 15
ST complement activation beta glucan *Pleurotus*
IT Immunomodulators
Pleurotus ostreatus

L8 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN
TI Isolation and component analysis of polysaccharide from the sclerotesta of *Pleurotus tuber-regium*

ACCESSION NUMBER: 2000:389667 CAPLUS [Full-text](#)
DOCUMENT NUMBER: 134:15037
TITLE: Isolation and component analysis of polysaccharide from the sclerotesta of *Pleurotus tuber-regium*

AUTHOR(S): Deng, Chenghua; Yang, Xiangliang; Gu, Xiaoman; Wang, Yan; Zhou, Jingyan; Xu, Bihui
CORPORATE SOURCE: Institute of Materia Medica, Huazhong University of Science and Technology, Wuhan, 430074, Peop. Rep. China
SOURCE: Zhongguo Yaoxue Zazhi (Beijing) (2000), 35(5), 296-298
CODEN: ZYZAEU; ISSN: 1001-2494
PUBLISHER: Zhongguo Yaoxuehui
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
CC 10-1 (Microbial, Algal, and Fungal Biochemistry)
Section cross-reference(s): 63

ST polysaccharide sclerotesta *Pleurotus*; *huna*ijun polysaccharide
glucan

L8 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

TI Isolation of fungal glucan

ACCESSION NUMBER: 1993:37565 CAPLUS Full-text

DOCUMENT NUMBER: 118:37565

ORIGINAL REFERENCE NO.: 118:6839a,6842a

TITLE: Isolation of fungal glucan

INVENTOR(S): Kuniak, Ludovit; Karacsonyi, Stefan; Augustin,
Jozef;

Ginterova, Anastazia; Holan, Zdenek; Szechenyi,
Stefan; Kravarik, Dusan; Dubaj, Julius; Varju,

Jan

PATENT ASSIGNEE(S): Slovenska Technicka Univerzita, Czech.

SOURCE: Czech., 3 pp.

CODEN: CZXXA9

DOCUMENT TYPE:

Patent

LANGUAGE:

Czech

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CS 274918	B2	19911217	CS 1990-630	
19900209 <--				
WO 9312243	A1	19930624	WO 1991-CS2	
19911216 <--				
W: AU, BB, BG, BR, CA, FI, HU, JP, KP, KR, LK, MG, MW, NO, PL,				
RO,				
SD, SU, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE, BF,				
BJ,				
CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
AU 9190395	A	19930719	AU 1991-90395	
19911216 <--				
PRIORITY APPLN. INFO.:			CS 1990-630	
19900209 <--				
			WO 1991-CS2	A
19911216 <--				

L10 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN

TI Preparation of β -1,3-glucan from *Ganoderma lucidum*

ACCESSION NUMBER: 2004:844214 CAPLUS Full-text

DOCUMENT NUMBER: 142:54873

TITLE: Preparation of β -1,3-glucan from *Ganoderma*
lucidum

INVENTOR(S): Lee, Shin Young; Kang, Tae Soo

PATENT ASSIGNEE(S): Lee, Shin-Young, S. Korea

SOURCE: Repub. Korea, No pp. given

CODEN: KRXXFC

DOCUMENT TYPE:

Patent

LANGUAGE:

Korean

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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KR 156986	B1	19981015	KR 1995-3283	
19950220 <--				
PRIORITY APPLN. INFO.:			KR 1995-3283	
19950220 <--				
IC ICM C12P019-04				
CC 16-4 (Fermentation and Bioindustrial Chemistry)				
L10 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN				
TI Molecular organization of the alkali-insoluble fraction of <i>Aspergillus fumigatus</i> cell wall				
ACCESSION NUMBER:	2000:646677	CAPLUS	Full-text	
DOCUMENT NUMBER:	134:14984			
TITLE:	Molecular organization of the alkali-insoluble fraction of <i>Aspergillus fumigatus</i> cell wall			
AUTHOR(S):	Fontaine, Thierry; Simenel, Catherine;			
Dubreucq, Guy;	Adam, Olivier; Delepierre, Muriel; Lemoine, Jerome;			
	Vorgias, Constantin E.; Diaquin, Michel; Latge, Jean-Paul			
CORPORATE SOURCE:	Laboratoire des <i>Aspergillus</i> , Institut Pasteur, Paris,			
	75724, Fr.			
SOURCE:	Journal of Biological Chemistry (2000), 275(36), 27594-27607			
	CODEN: JBCHA3; ISSN: 0021-9258			
PUBLISHER:	American Society for Biochemistry and Molecular Biology			
DOCUMENT TYPE:	Journal			
LANGUAGE:	English			
CC 10-1 (Microbial, Algal, and Fungal Biochemistry)	Section cross-reference(s): 33			
IT 9051-97-2BP, β -1,6-branched	55965-23-6P			
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study);	OCCU (Occurrence); PREP (Preparation)			
	(composition; mol. organization of the alkali-insol. fraction of <i>Aspergillus fumigatus</i> cell wall)			
REFERENCE COUNT:	68	THERE ARE 68 CITED REFERENCES AVAILABLE FOR THIS		
	RECORD. ALL CITATIONS AVAILABLE IN THE RE			
FORMAT				
L10 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN				
TI Process for preparing (1 \rightarrow 3)- β -D-glucan from fungi				
ACCESSION NUMBER:	1999:184281	CAPLUS	Full-text	
DOCUMENT NUMBER:	130:220175			

TITLE: Process for preparing (1→3)-β-D-glucan
from fungi
INVENTOR(S): Tamura, Hiroshi; Aizawa, Maki; Tanaka,
Shigenori
PATENT ASSIGNEE(S): Seikagaku Corporation, Japan
SOURCE: PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9911671	A1	19990311	WO 1998-JP3882	
19980831 <--				
W: JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 1024147	A1	20000802	EP 1998-940640	
19980831 <--				
EP 1024147	B1	20061122		
R: DE, FR, GB				
JP 4071438	B2	20080402	JP 2000-508708	
19980831 <--				
US 6284885	B1	20010904	US 2000-485714	
20000301 <--				
PRIORITY APPLN. INFO.:			JP 1997-236297	A
19970901 <--				
			WO 1998-JP3882	W

19980831
L10 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN
TI Pneumocandin antifungal lipopeptides. The phenolic hydroxyl is required for 1,3-β-glucan synthesis inhibition
ACCESSION NUMBER: 1994:409967 CAPLUS Full-text
DOCUMENT NUMBER: 121:9967
ORIGINAL REFERENCE NO.: 121:2109a,2112a
TITLE: Pneumocandin antifungal lipopeptides. The phenolic hydroxyl is required for 1,3-β-glucan synthesis inhibition
AUTHOR(S): Balkovec, James M.; Black, Regina M.; Abruzzo, George
K.; Bartizal, Ken; Dreikorn, Sarah; Nollstadt, Karl
CORPORATE SOURCE: Dep. Synthetic Chem. RES., Merck Res. Lab., Rahway, NJ, 07065-0900, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (1993), 3(10), 2039-42
CODEN: BMCLE8; ISSN: 0960-894X
DOCUMENT TYPE: Journal
LANGUAGE: English

OTHER SOURCE(S): CASREACT 121:9967
 CC 34-3 (Amino Acids, Peptides, and Proteins)
 Section cross-reference(s): 10
 IT Fungicides and Fungistats
 (pneumocandin B derivs.)
 IT 9051-97-2P, 1,3- β -Glucan
 RL: FORM (Formation, nonpreparative); PREP (Preparation)
 (formation of, pneumocandin B as inhibitor of)

L10 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Isolation of β -1,3-D-glucan from microorganism cell walls
 ACCESSION NUMBER: 1989:72163 CAPLUS Full-text
 DOCUMENT NUMBER: 110:72163
 ORIGINAL REFERENCE NO.: 110:11847a,11850a
 TITLE: Isolation of β -1,3-D-glucan from microorganism
 cell walls
 INVENTOR(S): Holan, Zdenek; Sikyta, Bohumil; Palisa, Vilem
 PATENT ASSIGNEE(S): Czech.
 SOURCE: Czech., 4 pp.
 CODEN: CZXXA9
 DOCUMENT TYPE: Patent
 LANGUAGE: Czech
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CS 243173	B1	19860515	CS 1984-6615	
19840904 <--				
PRIORITY APPLN. INFO.:			CS 1984-6615	
19840904 <--				
IC ICM C12P019-04				
CC 9-9 (Biochemical Methods)				
IT Fungi				
(ascomycetous, β -glucan of cell wall of, purification of)				
IT Fungi				
(basidiomycetous, β -glucan of cell wall of, purification of)				
IT 9051-97-2P				
RL: PUR (Purification or recovery); PREP (Preparation)				
(purification of, from microorganism cell wall)				

L9 13 S L5 AND FUNGI?
 L10 9 S L9 AND (PY<2005 OR AY<2005 OR PRY<2005)
 E GABRIZOVA LEONA?/AU
 SET EXPAND CONTINUOUS
 L11 2 S E2

L11 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN
 TI A method of isolation of immunostimulating glucan from oyster
 mushroom
 ACCESSION NUMBER: 2002:832839 CAPLUS Full-text
 DOCUMENT NUMBER: 137:307002

TITLE: A method of isolation of immunostimulating
glucan from
oyster mushroom
INVENTOR(S): Gabricova, Leona
PATENT ASSIGNEE(S): Slovakia
SOURCE: PCT Int. Appl., 13 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002085950	A1	20021031	WO 2001-SK14	
20010427				
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
SK 282870	B6	20030109	SK 2001-548	
20010423				
AU 2001255143	A1	20021105	AU 2001-255143	
20010427				
CZ 293310	B6	20040317	CZ 2003-1404	
20010427				
EP 1397389	A1	20040317	EP 2001-928287	
20010427				
EP 1397389	B1	20050810		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
HU 2003003916	A2	20040329	HU 2003-3916	
20010427				
HU 2003003916	A3	20080528		
AT 301678	T	20050815	AT 2001-928287	
20010427				
ES 2247104	T3	20060301	ES 2001-928287	
20010427				
PRIORITY APPLN. INFO.:			SK 2001-548	A
20010423				
			WO 2001-SK14	W
20010427				
L12	6 S L5 AND FUNGI/IT			
L13	0 S L12 NOT L9			
L14	18 S L5 AND (?FUNGUS OR ?FUNGAL?)			
L15	12 S L14 NOT L9			

L16 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

TI Microbial (1→3)-β-D-glucans, their preparation,
physico-chemical characterization and immunomodulatory activity
ACCESSION NUMBER: 1999:138113 CAPLUS Full-text
DOCUMENT NUMBER: 130:308839
TITLE: Microbial (1→3)-β-D-glucans, their
preparation, physico-chemical characterization

and

immunomodulatory activity
AUTHOR(S): Sandula, Jozef; Kogan, Grigorij; Kacurdkova,
Marta;

Machova, Eva
CORPORATE SOURCE: Institute of Chemistry, Slovak Academy of
Sciences,

Bratislava, 842 38, Slovakia
SOURCE: Carbohydrate Polymers (1999), 38(3), 247-253
CODEN: CAPOD8; ISSN: 0144-8617

PUBLISHER: Elsevier Science Ireland Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

CC 10-1 (Microbial, Algal, and Fungal Biochemistry)

IT 9951-97-2P, (1→3)-β-D-Glucan

RL: BAC (Biological activity or effector, except adverse); BSU
(Biological
study, unclassified); PRP (Properties); PUR (Purification or
recovery);

BIOL (Biological study); PREP (Preparation)

(preparation of microbial (1→3)-β-D-glucans, physico-chemical
characterization, and immunomodulatory activity)

REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE
FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L16 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

TI Isolation of fungal glucan

ACCESSION NUMBER: 1993:37565 CAPLUS Full-text

DOCUMENT NUMBER: 118:37565

ORIGINAL REFERENCE NO.: 118:6839a,6842a

TITLE: Isolation of fungal glucan

INVENTOR(S): Kuniak, Ludovit; Karacsonyi, Stefan; Augustin,
Jozef;

Ginterova, Anastazia; Holan, Zdenek; Szechenyi,
Stefan; Kravarik, Dusan; Dubaj, Julius; Varju,

Jan

PATENT ASSIGNEE(S): Slovenska Technicka Univerzita, Czech.

SOURCE: Czech., 3 pp.

CODEN: CZXXA9

DOCUMENT TYPE: Patent

LANGUAGE: Czech

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CS 274918	B2	19911217	CS 1990-630	
19900209 <--				
WO 9312243	A1	19930624	WO 1991-CS2	
19911216 <--				
W: AU, BB, BG, BR, CA, FI, HU, JP, KP, KR, LK, MG, MW, NO, PL, RO, SD, SU, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
AU 9190395	A	19930719	AU 1991-90395	
19911216 <--				
PRIORITY APPLN. INFO.:			CS 1990-630	
19900209 <--				
			WO 1991-CS2	A
19911216 <--				
IC ICM C12P019-04				
CC 16-4 (Fermentation and Bioindustrial Chemistry)				
IT 9008-22-4P, Laminarin 9051-97-2P				
RL: PUR (Purification or recovery); PREP (Preparation)				
(purification of, from Pleurotus ostreatus)				
L16 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN				
TI Studies of polysaccharides produced by microbes. 2. High-viscosity polysaccharide produced by Pestalotiopsis sp				
ACCESSION NUMBER:	1981:513340	CAPLUS	<u>Full-text</u>	
DOCUMENT NUMBER:	95:113340			
ORIGINAL REFERENCE NO.:	95:19013a,19016a			
TITLE:	Studies of polysaccharides produced by microbes. 2.			
	High-viscosity polysaccharide produced by Pestalotiopsis sp			
AUTHOR(S):	Miyata, Nobuo; Mitsuda, Shinjiro; Hirota, Tetsuji;			
	Kikuchi, Toshihiko			
CORPORATE SOURCE:	Tech. Res. Inst., Snow Brand Milk Prod. Co. Ltd.,			
	Kawagoe, 350, Japan			
SOURCE:	Hakko Kogaku Kaishi (1981), 59(4), 311-17			
	CODEN: HKOKDE; ISSN: 0385-6151			
DOCUMENT TYPE:	Journal			
LANGUAGE:	Japanese			
CC 16-4 (Fermentations)				
IT 9051-97-2P				
RL: BMF (Bioindustrial manufacture); BIOL (Biological study); PREP (Preparation)	(manufacture of, with Pestalotiopsis)			